

Document 1

Data

Beach

Resort

Country

Resort

Service Line

Service

Sales

Sales Person

Year

Quarter

Month

Week

Invoice Date

Customer

Reservations

Measures

Revenue

Number of Guests

Future guests

Report 1

Drag and drop an object, value, or predefined filter to add a filter on the report.

Drag and drop an object, value, predefined block or template to create a block.

Report 1

Report 2

Report 3

Values

Apply

Refresh

FIG. 1

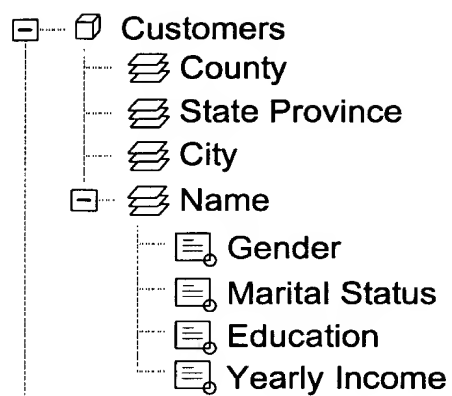


FIG. 2

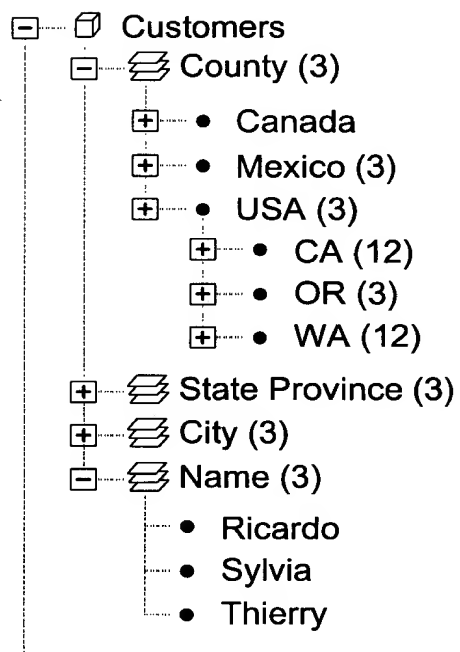


FIG. 3

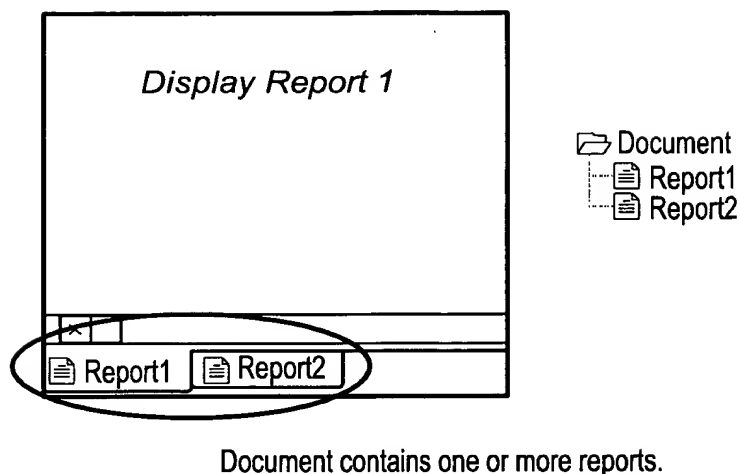


FIG. 4

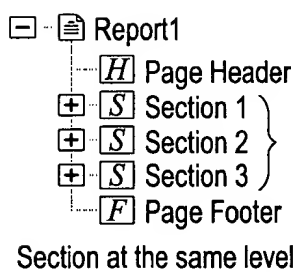


FIG. 5

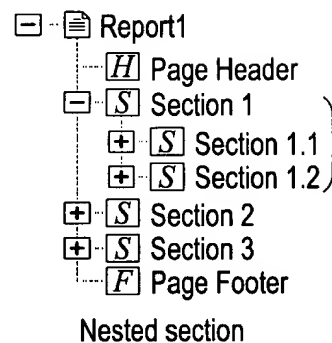


FIG. 6

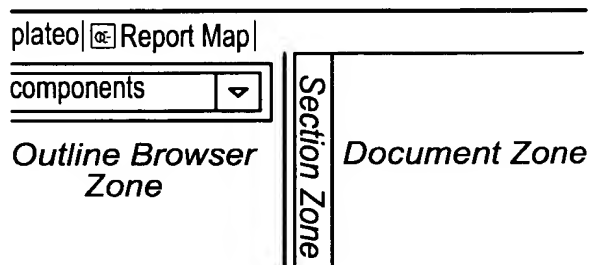


FIG. 7

Creating sections

Action	Document Mode	GUI Action	Reaction - Dropping Objects	Reaction - Dropping Values For more information on filters, see Filters & Rank specification	Inter-action with RE
Dragging & dropping dimensional or detail objects or values to the section zone with no existing sections	Structure Mode	When dragging dimensional or detail objects or values to the section zone with no existing sections but with an existing block, a line appears to denote where the start of the section will be (note: users cannot drop measures to this zone). Instead of the object icon, a pop up help saying, "Drop here to create a section" should be displayed.	Inserts dimension or detail objects (one section for each object dropped) as sections, which begins before the block and ends after the block. In the case of dropping multiple objects, the second section will begin immediately after the first section and end immediately before the end of the first section. See adding section when section already exists.	Inserts dimensional or detail objects (one section for each different associated object of values dropped) with filter as sections, which begins before the block and ends after the block. In the case of dropping multiple objects, the second section will begin immediately after the first section and end immediately before the end of the first section. See adding section when section already exists.	No
Dragging & dropping dimensional or detail objects or values to the section zone with no existing sections but with an existing block (note: users cannot drop measures to this zone)	Structure Mode	Drop to create Section <Year> Year Country Sales Country Sales Table1 End Section <Year>	Inserts dimension or detail objects (one section for each object dropped) as sections, which begins before the block and ends after the block. In the case of dropping multiple objects, the second section will begin immediately after the first section and end immediately before the end of the first section. See adding section when section already exists.	Inserts dimensional or detail objects (one section for each different associated object of values dropped) with filter as sections, which begins before the block and ends after the block. In the case of dropping multiple objects, the second section will begin immediately after the first section and end immediately before the end of the first section. See adding section when section already exists.	No

FIG. 8

Values Mode	<p>When dragging dimensional or detail objects or values to the section zone with no existing sections but with an existing block, a line appears to denote where the start of the section will be (note: users cannot drop measures to this zone). Instead of the object icon, a pop up help saying "Drop here to create a section" should be displayed.</p> <div><div>Drop to create Section &lt;Year&gt;</div><table><tr><th>Country</th><th>Sales</th></tr><tr><td>USA</td><td>2,000.00</td></tr><tr><td>France</td><td>1,500.00</td></tr><tr><td>Italy</td><td>800.00</td></tr></table></div>	Country	Sales	USA	2,000.00	France	1,500.00	Italy	800.00									
Country	Sales																	
USA	2,000.00																	
France	1,500.00																	
Italy	800.00																	
	<p>Inserts all dimension or detail object's values (one section for each object dropped) as sections, which begins before the block and ends after the block. In the case of dropping multiple objects, the second section will begin immediately after the first section and end immediately before the end of the first section. See adding section when section already exists.</p> <div><div>1999</div><table><tr><th>Country</th><th>Sales</th></tr><tr><td>USA</td><td>2,000.00</td></tr><tr><td>France</td><td>1,500.00</td></tr><tr><td>Italy</td><td>800.00</td></tr></table><div>1998</div><table><tr><th>Country</th><th>Sales</th></tr><tr><td>USA</td><td>1,800.00</td></tr><tr><td>France</td><td>1,300.00</td></tr><tr><td>Italy</td><td>500.00</td></tr></table></div>	Country	Sales	USA	2,000.00	France	1,500.00	Italy	800.00	Country	Sales	USA	1,800.00	France	1,300.00	Italy	500.00	
Country	Sales																	
USA	2,000.00																	
France	1,500.00																	
Italy	800.00																	
Country	Sales																	
USA	1,800.00																	
France	1,300.00																	
Italy	500.00																	
	<p>Inserts dimension or detail values (one section for each different associated object of values dropped) as sections, which begins before the block and ends after the block. In the case of dropping multiple objects, the second section will begin immediately after the first section and end immediately before the end of the first section. See adding section when section already exists.</p> <div><div>1998</div><table><tr><th>Country</th><th>Sales</th></tr><tr><td>USA</td><td>2,000.00</td></tr><tr><td>France</td><td>1,500.00</td></tr><tr><td>Italy</td><td>800.00</td></tr></table></div>	Country	Sales	USA	2,000.00	France	1,500.00	Italy	800.00	Yes								
Country	Sales																	
USA	2,000.00																	
France	1,500.00																	
Italy	800.00																	

FIG. 9



1) Action None	Result  T <sub>1</sub> T <sub>2</sub>
2) D&D level <Country>	section <Country>  COUNTRY  T <sub>1</sub> T <sub>2</sub> .. end section <Country>
3) D&D member <USA>	section <Country>  COUNTRY   T <sub>1</sub> T <sub>2</sub> .. end section <Country>
4) D&D level <State>	section <Country>  COUNTRY   T <sub>1</sub> T <sub>2</sub> .. section <State>  STATE  T T <sub>2</sub> .. end section <State> end section <Country>

FIG. 10A

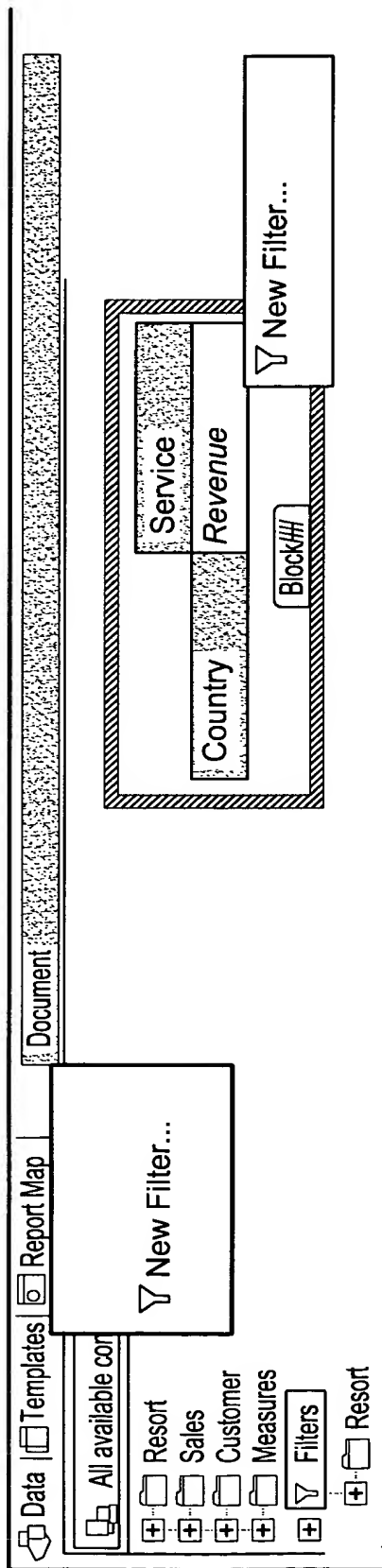


FIG. 10B

Filter Definition Wizard	
Filter name: <input style="width: 90%;" type="text" value="STATE"/>	
<div style="border: 1px solid black; padding: 5px;"> <p><i>Object to filter:</i></p> <div style="border: 1px solid black; padding: 2px; display: flex; align-items: center;"> <span>SALES REV.</span> <span style="margin-left: 5px;">▼</span> </div> <p>Choose an expression:</p> <div style="display: flex; flex-direction: column; gap: 10px;"> <div><input type="radio"/> Constant</div> <div><input type="radio"/> Values</div> <div><input type="radio"/> Prompt</div> <div><input checked="" type="radio"/> Top(n)/Bottom(n)</div> </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <p><i>Keep:</i>    <input checked="" type="radio"/> Top    <input type="radio"/> Bottom    <input type="radio"/> Top &amp; Bottom</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <input checked="" type="radio"/> Number  <input type="radio"/> Percent  <input type="radio"/> Cumulative Sum         </div> <div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: flex; align-items: center;"> <span>10</span> <span style="margin: 0 5px;">▲▼</span> </div> <div style="border: 1px solid black; width: 60px; height: 25px; margin-top: 5px;"></div> <div style="border: 1px solid black; width: 60px; height: 25px; margin-top: 5px;"></div> </div> </div> </div> <div style="margin-top: 20px;"> <p><i>Help</i> _____</p> <p style="text-align: center;">Keeps top/bottom set number of values:</p> </div>
<div style="display: flex; justify-content: space-around; gap: 20px;"> <div style="border: 1px solid black; padding: 5px 20px;">OK</div> <div style="border: 1px solid black; padding: 5px 20px;">Cancel</div> <div style="border: 1px solid black; padding: 5px 20px;">Help</div> </div>	

**Note:** The Help section changes depending on the selection (Number, Percent, Cumulative sum).

Property	Help Text
Number	Keeps top/bottom set number of values
Percent	Keeps values until sum is the percentage of total
Cumulative Sum	Keeps values until sum is the set value

**FIG. 10C**



Document 1

Data

Beach

Resort

Country

Resort

Service Line

Service

Sales

Sales Person

Year

Quarter

Month

Week

Invoice Date

Customer

Reservations

Measures

Revenue

Number of Guests

Future guests

My Predefined Blocks

1999

France

CadenzaReport

Lines	Salesrevenue
Accessories	\$489,666
City Skirts	\$11,072
City Trousers	\$10,936
Dresses	\$110,210
Sum:	\$621,883

Report 1

Report 2

Report 3

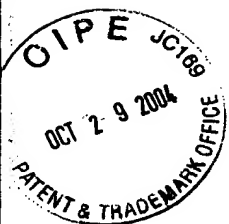
Structure

Values

Apply

Refresh

FIG. 11



10/10


Year	Sales
1999 	100
2000	150
2001	140

FIG. 12

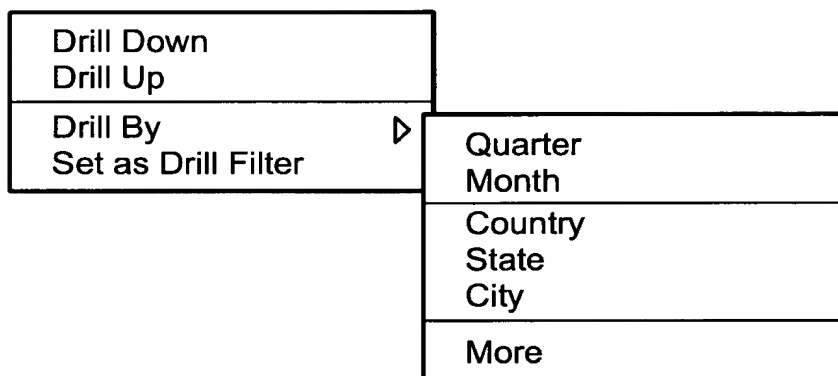


FIG. 13